

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE <div style="text-align: center;">J</div>		PAGE OF PAGES <div style="text-align: center;">1 9</div>	
2. AMENDMENT/MODIFICATION NO. <div style="text-align: center;">0005</div>		3. EFFECTIVE DATE <div style="text-align: center;">20-Jun-2007</div>		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.(If applicable)	
6. ISSUED BY AFGHANISTAN ENGINEER DISTRICT US ARMY CORPS OF ENGINEERS KABUL APO AE 09356		CODE W917PM		7. ADMINISTERED BY (If other than item 6) <div style="text-align: center; font-size: 1.2em;">See Item 6</div>			
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X		9A. AMENDMENT OF SOLICITATION NO. W917PM-07-R-0069	
				X		9B. DATED (SEE ITEM 11) 27-May-2007	
						10A. MOD. OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) This amendment is made to: 1. Revise the Proposal Schedule. 2. Change section 01015, paragraph 6.1.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				TEL: _____ EMAIL: _____			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
_____ (Signature of person authorized to sign)				BY _____ (Signature of Contracting Officer)		20-Jun-2007	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION 00010 - SOLICITATION CONTRACT FORM

**Proposal Schedule
(Revised 20 June 2007)**

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Design FFP FOB: Destination				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AA	Design Costs FFP The contractor shall provide all design work in accordance with the scope of work herein. FOB: Destination	1	Lump Sum		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002	As Built Drawings FFP The Contractor shall provide As Built drawings as described in the Scope of Work herein. FOB: Destination	1	Lump Sum		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003	Site Development FFP FOB: Destination				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AA	Site Work FFP The contractor shall provide grading, drainage, landscaping, sidewalks, perimeter wall and fencing as described in the scope of work herein. FOB: Destination	1	Lump Sum		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AB	Site Utilities- Water & Sewage FFP The Contractor shall provide site utilities of water system and sewage system as described in the Scope of Work herein. FOB: Destination	1	Lump Sum		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AC	Site Utilities-Electrical, Lights, Comm FFP The Contractor shall provide site utilities of electrical, site lighting and communications as described in the Scope of Work herein. FOB: Destination	1	Lump Sum		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004	Construction FFP FOB: Destination				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004AA	Mobilization FFP The contractor upon receiving notice to proceed (NTP) shall mobilize to the work site in accordance with the scope of work herein. FOB: Destination	1	Lump Sum		

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	NET AMT UNIT PRICE	AMOUNT
0004AB	Demobilization FFP The contractor following completion of the contract shall demobilize from the worksite in accordance with the scope of work herein. FOB: Destination	1	Lump Sum		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004AC	Building Construction Cost FFP The contractor shall provide all equipment, labor, materials and supervision to perform the construction of the JIOC-A facility in accordance with the scope of work herein. FOB: Destination	1	Lump Sum		
NET AMT					

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0005	Economic Surveillance Report FFP Contractor shall report average pay rates and employment levels, for both domestic and international employees monthly. FOB: Destination	1	Lump Sum		
NET AMT					

The following items are applicable to this modification:

SECTION 00800 - SPECIAL CONTRACT REQUIREMENTS

SECTION 01015 CHANGE

Delete Section 01015, paragraph 6.1 in its entirety and replace with the new paragraph 6.1 as follows:

“6.1 GENERAL

Contractor shall design and construct all electrical systems for all facilities. This includes design, construction, all necessary labor, equipment, and material for a fully functional system.

Secondary electrical distribution system shall be 220/380 volts, 50 hertz power. Design of the electrical system within facilities shall include, but is not limited to (a) interior secondary power distribution system, (b) lighting and power branch circuit and devices, (c) fire detection and alarm system, (d) electrical generation, and (e) power distribution. All systems shall be designed for the ultimate demand loads, plus 20% spare capacity. There shall be no exposed wiring or conduit in public spaces. Each work station shall be wired for SIPR, NIPR, CENTRIX, JWICS, NATO Secret, ISAF Secret, and ISVN Communications.

All wiring of NIPR/SIPR/Centrix/JWCS/CLAS & UNCLAS network/phones will be handled by others as a separate contract. Current Contractor will only be required to provide and install conduit / push throughs for the 6 different network systems. Conduit shall be installed, in combination with cable trays, to allow cabling from Server / Communications Room to each work station throughout building. Final locations shall be clarified during the Design Charette.

All exterior communications systems will be underground, in concrete encased duct banks. Communications runs will require a manhole, handhole, or pullbox at least every 200 meters. Manhole, handhole, and pullbox design will be in compliance with NEC, NESC, UFC 3-550-03FA, ANSI/TIA/EIA 569-B (Commercial Building Standard for Telecommunications Pathways and Spaces), and ANSI/TIA/EIA 758-A-2004 (Customer-owned Outside Plant Telecommunications Infrastructure Standard).

Contractor shall provide separate Electrical Rooms and Communications Rooms in the new facilities. Design of Electrical rooms shall comply with relevant UFCs and the NEC. Design of Communications Rooms shall comply with relevant UFCs, NEC, ANSI/TIA/EIA 569-B (Commercial Building Standard for Telecommunications Pathways and Spaces), and TIA 942 (Telecommunications Infrastructure Standard for Data Centers).

Second Floor Server Room. Special considerations should be given to the server room facility located on the second floor with emphasis in the following areas:

- a. Primary Power. The server room shall be provided with an additional distribution panel with sufficient service to provide two separate 400 volt circuits, each rated at 200 amp, 3 phase, 50Hz. Each circuit shall be capable of providing this service via 5-wire configuration – 3 phase, neutral and ground.

- b. Server Systems Emergency Power. The server room shall be provided with an emergency generator of sufficient size to provide continuous service plus twenty (20) percent for the distribution panel listed above. The generator shall be fitted with an appropriate Automatic Transfer Switch capable of sustaining sufficient service to the specified load in under two (2) minutes from initial loss of power. This is above and beyond emergency generator service for building lighting and receptacle power.
- c. Server Room HVAC Emergency Power. The server room shall be provided with an emergency generator of sufficient size to provide continuous service for the installed HVAC and systems which support the server room. The generator shall be fitted with an appropriate Automatic Transfer Switch capable of sustaining sufficient service to the specified load in under two (2) minutes from initial loss of power. This is above and beyond emergency generator service for building lighting and receptacle power.

Contractor shall follow the latest edition of the following standards and criteria, in addition to those referenced herein, for the design and installation of electrical systems.

Institute of Electrical and Electronic Engineers 48

Institute of Electrical and Electronic Engineers 81 Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Ground System

Institute of Electrical and Electronic Engineers 81.2 Guide for Measurement of Impedance and Safety Characteristics of Large, Extended or Interconnected Grounding Systems

Institute of Electrical and Electronic Engineers 241

Institute of Electrical and Electronic Engineers 242

International Electrical Testing Association: Acceptance Testing Specifications for Electrical Power Distribution Equipment and Systems

Standard Details No. 40-06-04 Lighting Fixtures

Illuminating Engineering Society of North America (IESNA) Lighting Handbook

TM 5-811-3 Electrical Design: Lightning and Static Electricity Protection

TM 5-811-7 Electrical Design: Cathodic Protection

ETL 1110-3-440, Cathodic Protection

ETL 1110-3-474, Cathodic Protection

IEEE standard 519-1992

UL 467 Grounding and Bonding Equipment

Institute of Electrical and Electronics Engineers, IEEE 48

International Electrical Testing Association Inc. (NETA) Acceptance Testing Specifications for Electrical Power Distribution Equipment and Systems

ANSI/TIA/EIA-607: (1994) Commercial Building Grounding/Bonding Requirement Standard

ETL 1110-3-412, "Transformer Application Guide", 20 Oct 1989

ANSI/IEEE Std 81-1983

IEEE Std 81.2-1991

IEEE Std 62TM-1995 (R2005)

IEEE 519 - 1992

ANSI/NETA ETT-2000

ANSI/NETA MTS 7.2.2-2001

MIL-HDBK-1012/3

ANSI/TIA/EIA 942: Telecommunications Infrastructure Standard for Data Centers

ANSI/TIA/EIA 758-A-2004 Customer-owned Outside Plant Telecommunications Infrastructure Standard

ANSI/TIA/EIA 607-A Commercial Building Grounding (Earthing) and Bonding Requirements for Telecommunications

Unless noted otherwise, all material used shall be in compliance with the requirements of UL standards. In the event that UL compliant materials are not available, contractor may then select applicable British Standards (BS), IEC or DIN listed material, but the contractor must prove equivalence and must provide the government with a full copy of the relevant specification(s). Material and equipment installed under this contract shall be for the appropriate application and installed in accordance with manufacturers recommendations.

Contractor shall provide separate circuits for power and lighting.

Design Criteria

Applicable Standards

- a. Design shall be in the required units as stipulated herein.
- b. Conflicts between criteria and/or local standards shall be brought to the attention of the Contracting Officer for resolution. In such instances, all available information shall be furnished to the Contracting Officer for approval.
- c. All electrical systems and equipment shall be installed in accordance with NFPA code requirements.
- d. Acceptance Testing: Contractor shall develop and submit for approval complete acceptance test procedures on all systems provided. As a minimum the testing procedures shall comply with the requirements of NFPA 70 (NEC), IEEE 48, and International Electrical Testing Association Inc. (NETA).
- e. Any other applicable references listed herein.

Provide complete and functioning electrical systems. All installations shall be complete, operated and tested unless specifically stated otherwise in this document. Coordinate all electrical and control wiring requirements with other trades. Include all installation accessories, mounting hardware, equipment pads, grounding, and terminations required for an occupied, operating, safe and code compliant facility.”